AMERICAN JOURNAL

OF

DISEASES OF CHILDREN

EDITORIAL BOARD

CLIFFORD G. GRULEE, Chicago

OSCAR M. SCHLOSS, New York
FRITZ B. TALBOT, Boston
H. F. HELMHOLZ, Rochester, Minn.
W. McKIM MARRIOTT, St. Louis
L. R. DREBUYS, New Orleans
JOHN C. GITTINGS, Philadelphia

VOLUME 48
1934

PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO, ILL.

CONTENTS OF VOLUME 48

JULY 1934. NUMBER 1

PAGE

The Child's Family Adviser. Charles A. Fife, M.D., Philadelphia 1

Control of Dental Caries in Children. Martha Koehne, Ph.D.; R. W. Bunting, D.D.Sc., and Elise Morrell, M.S., with the Cooperation of Rebecca B. Hubbell, Ph.D., and Mary Crowley, M.S., Ann Arbor, Mich. 6

An Enterodepressant Factor in the Stools and Spinal Cords of Monkeys Infected with Poliomyelitis. John A. Toomey, M.D., and Wolfgang F. von Oettingen, M.D., Cleveland 30

Growth and Basal Metabolism. Itsiro Nakagawa, M.D., Tokyo, Japan:

II. Basal Metabolism of Elementary School Children 35

III. Biometric Study of Basal Metabolism of Preschool and Elementary School Children 39

Paracentesis of the Pericardium as a Therapeutic Measure. Lucy Porter Sutton, M.D., New York 44

Cerebral Involvement in Acute Anterior Poliomyelitis: Report of an Experimental Case. Maurice Brodie, M.D., Montreal, Canada 57

Cutaneous Lesions in Rheumatic Fever: Predominating Signs of Active Rheumatic Fever During a Ward Epidemic. William Chester, M.D., and Sidney P. Schwartz, M.D., New York 69

Acetarsone (Stovarsol) in the Treatment of Syphilis in Negro Children. Joseph Yampolsky, M.D., with the Collaboration of Donald F. Cathcart, M.D., and Inman Smith, M.D., Atlanta, Ga 81

Susceptibility of Nursery School Children to Certain Communicable Diseases of Childhood. Ruth Updegraff, Ph.D., Iowa City 101

Case Reports:

Gastric Ulcer with Hemorrhage in Infants Aged Less than One Month. Stephen D. Mills, M.D., Rochester, Minn 108

Anomalous Origin of Left Coronary Artery from Pulmonary Artery, with Myocardial Fibrosis of Left Ventricle and Partial Aneurysm at the Apex. S. Sanes, M.D., and F. E. Kenny, M.D., Buffalo 113

Pelvirectal Achalasia (Hirschsprung's Disease): Temporary Medical Management by Rectal Administration of Magnesium Sulphate. Barnet E. Bonar, M.D., Salt Lake City 123

Cerebral Injury at Birth to One of Identical Twins. R. L. Jenkins, M.D., and Esther Glickman, P.S.W., Chicago 130

Progress in Pediatrics:

Clinical Arsenical Myelitis and Neuritis Due to Acetarsone: Report of Two Cases with One Death; Negative Observations at Necropsy. Jerome Glaser, M.D., Rochester, N. Y. 134

Cystic Hygroma of the Neck: Report of a Case and Review of the Literature. Arkell M. Vaughn, M.D., Chicago 149

Pediatric Biographies:

Samuel Gee: A Note on the History of Celiac Disease. John Ruhräh, M.D., Baltimore 159

Pediatrics in Art:

Miraculous Resurrections. John Ruhräh, M.D., Baltimore 165

News and Comment 166

Abstracts from Current Literature 167

Society Transactions:

University of Michigan Pediatric and Infectious Disease Society 218

Philadelphia Pediatric Society 228

Chicago Pediatric Society 232

Book Reviews 237

Directory of Pediatric Societies 238

AUGUST 1934. NUMBER 2

PAGE

Congenital Hypertrophy of the Muscles, Extrapyramidal Motor Disturbances and Mental Deficiency: A Clinical Entity. Cornelia de Lange, M.D., Amsterdam, The Netherlands 243

A New Auxiliary Treatment for Impetigo Contagiosa. Lester Hollander, M.D., and Joseph J. Hecht, M.D., Pittsburgh 269

Acetarsone in the Treatment of Congenital Syphilis: A Comparison with Bismuth Therapy. John F. Coppolino, M.D., Philadelphia 272

Viosterol in the Prophylaxis of Rickets in Premature Infants: Clinical, Chemical and Roentgenologic Observations. Leonard T. Davidson, M.D., and Katharine K. Merritt, M.D., New York 281

Lipoid Cell Pneumonia. T. Campbell Goodwin, M.D., Baltimore 309

The Grasp Reflex of the New-Born Infant. Curt P. Richter, Ph.D., Baltimore 327

Eczema Vaccinatum. E. S. Platou, M.D., Minneapolis 333

Case Reports:

Anemia of the New-Born Without Erythroblastosis: Observations at Autopsy. Samuel S. Brown, M.D.; Maurice Morrison, M.D., and David A. Meyer, M.D., Brooklyn 335

Xanthomatosis with Involvement of a Vertebral Body. William E. Anspach, M.D., Chicago 346

Septic Endocarditis in an Infant Seven Weeks of Age. Helen B. Taussig, M.D., Baltimore 355

Progress in Pediatrics:

Relapsing Fever in Children. Arthur E. Varden, M.D., San Bernardino, Calif 359

Acute Asphyxia from Intrabronchial Rupture of a Tuberculous Mediastinal Gland with Recovery. Russell B. Scobie, M.D., New York 373

Pediatric Biographies:

Johannes Lange. A Note on the History of Chlorosis. John Ruhräh, M.D., Baltimore 393

Pediatrics in Art:

Delousing the Head. John Ruhräh, M.D., Baltimore 397

News and Comment 399

Abstracts from Current Literature 401

Society Transactions:

Chicago Pediatric Society 455

New York Academy of Medicine, Section of Pediatrics and Section of Obstetrics and Gynecology 468

Book Reviews 474

Directory of Pediatric Societies 476

SEPTEMBER 1934. NUMBER 3

Human Convalescent Serum in the Treatment of Preparalytic Poliomyelitis: A Comparison of 447 Treated and 102 Control Patients in New York City in 1931. Alfred E. Fischer, M.D., New York 481

Contour of the Chest in Children: I. According to Age. S. A. Weisman, M.D., Minneapolis 502

Fate of Children of Tuberculous Families, Including Those Treated and Those Not Treated with B C G. C. Kereszturi, M.D., William H. Park, M.D.; P. Vogel, M.D., and M. Levine, M.D., New York 507

Cerebral Injury in the New-Born: Its Relation to Constitution and the Tetany Syndrome. W. Ray Shannon, M.D., St. Paul 517

SEPTEMBER—*Continued*

PAGE

Glossoptosis Due to Atresia and Hypotrophy of the Mandible. Pierre Robin, M.D., Paris, France 541

Acetarsone in the Treatment of Osseous Lesions of Early Congenital Syphilis. Clarence F. Friedman, M.D., Brooklyn 548

Anatomy and Physiology of the Gallbladder in Children: A Cholecystographic Study. Edward A. Boyden, Ph.D., and Alice H. Fuller, M.D., Minneapolis 565

Case Reports:

Retrocecal Gangrenous Appendicitis Complicated by Subdiaphragmatic Abcess, Empyema, Abscess in the Lung with Bronchial Fistula and Fecal Fistula, with Operations and Recovery. Jacob L. Stein, M.D., and William Leon Wolfson, M.D., Brooklyn 580

Acute Necrosis of the Liver. Julian P. Price, M.D., Florence, S. C. 586

Rheumatic Heart Disease at One Year. Vincent E. Fischer, M.D., New York 590

Progress in Pediatrics:

Renal Rickets with Metastatic Calcification and Parathyroid Dysfunction. Francis Scott Smyth, M.D., and Leon Goldman, M.D., San Francisco. 596

Treatment of Whooping Cough: A Study in the History of Therapeutics. Isaac A. Abt, M.D., Chicago 617

Pediatric Biographies:

Jean Fernel. A Note on the History of Appendicitis in Children. John Ruhräh, M.D., Baltimore 630

Pediatrics in Art:

Care of the New-Born. John Ruhräh, M.D., Baltimore 633

Abstracts from Current Literature 634

Society Transactions:

American Pediatric Society 681

Chicago Pediatric Society 701

Book Reviews 707

Directory of Pediatric Societies 708

OCTOBER 1934. NUMBER 4

A Study of the Teeth of a Group of School Children Previously Examined for Rickets. Martha M. Eliot, M.D.; Susan P. Souther, M.D.; Bert G. Anderson, D.D.S., and Sumter S. Arnim, D.D.S., New Haven, Conn. 713

Osteomyelitis of the Maxilla in Nurslings and in Infants. Henry G. Poncher, M.D., and James R. Blayney, M.D., Chicago 730

Tumors of the Brain in Infancy: Clinical and Pathologic Study. Sidney W. Gross, M.D., Cleveland 739

Etiology of Mongolism, with Special Reference to Its Occurrence in Twins. Aaron J. Rosanoff, M.D., and Leva M. Handy, M.A., Los Angeles 764

Thoracic Aortic Aneurysms in Children: Their Relation to Rheumatic Fever. Joseph K. Calvin, M.D., and Samuel J. Nichamin, M.D., Chicago 780

Cutaneous Reactions of Children to Pneumococcus and Streptococcus Vaccines. M. de Bruin, M.D., and A. Vedder, M.D., Amsterdam, The Netherlands .. 791

Family Periodic Paralysis, with a Review of the Literature. Ludwig Schoenthal, M.D., New York 799

Repeated Sedimentation Tests. Lee D. van Antwerp, M.D., Meriden, Conn. .. 814

OCTOBER—*Continued*

PAGE

The Blood Proteins of Children: II. Distribution in the Same Specimen of Blood of Hydrolyzable, Amide, Humin, Basic Amino and Mono-Amino Nitrogen of the Whole Blood, Red Cells and Serum Proteins. Adolph Bernhard, B.S., M.A.; Jerome S. Leopold, M.D., and I. J. Drekter, New York 819

Case Reports:

Vascular Occlusion in Pneumonia: Review of the Literature and Report of a Case. C. I. Mead, M.D., and H. L. Bacal, M.D., Montreal, Canada 830

Influenzal Meningitis and Peritonitis. John W. Williams, M.D., Cambridge, Mass..... 840

Progress in Pediatrics:

Diverticulum of the Bladder in Infancy and in Childhood. Herman L. Kretschmer, M.D., Chicago..... 842

Pediatric Biographies:

Daniel Whistler. A Note on the History of Rickets. John Ruhräh, M.D., Baltimore 858

Pediatrics in Art:

Heliotherapy. John Ruhräh, M.D., Baltimore..... 864

Correspondence:

The Inheritance of Syphilis. H. S. Goddard, M.D., Portland, Ore..... 866

News and Comment..... 867

Abstracts from Current Literature..... 868

Society Transactions:

American Pediatric Society..... 922

Book Reviews..... 943

Directory of Pediatric Societies..... 944

NOVEMBER 1934. NUMBER 5

Osteopetrosis (Marble Bones) in an Infant: Review of the Literature and Report of a Case. Donovan J. McCune, M.D., and Charles Bradley, M.D., New York..... 949

Subacute Peribronchiolar Pneumonia. Herbert S. Reichle, M.D., and Alan R. Moritz, M.D., Cleveland.....1001

Carbohydrate Metabolism: II. Rôle of the Thyroid Gland. J. A. Johnston, M.D., Detroit 1015

Body Build in Infants: IV. The Influence of Retarded Growth. Harry Bakwin, M.D.; Ruth Morris Bakwin, M.D., and Lillian Milgram, M.D., New York 1030

Basal Metabolism of American-Born Chinese Girls and of American Girls of Same Age. Chi Che Wang, Ph.D., Cincinnati.....1041

Preliminary Report of the Fels Fund: Study of Fetal Activity. L. W. Sontag, M.D., and Robert F. Wallace, Ph.D., Yellow Springs, Ohio.....1050

Factors Influencing the Utilization of Calcium and Phosphorus of Cow's Milk. Julius H. Hess, M.D.; Henry G. Poncher, M.D., and Helen Woodward, M.S., Chicago.....1058

Case Reports:

Cardiac Hypertrophy in Infancy Associated with Thickened Endocardium and Coarctation of the Aorta. Harold D. Levine, M.D., Boston....1072

Situs Inversus in a Dwarf. Julius F. Meyer, M.D., Chicago.....1080

Juvenile Pemphigus: Treatment with Germanin (Bayer 205); Report of a Fatal Case. Norman Tobias, M.D., St. Louis.....1084

NOVEMBER—*Continued*

PAGE

Pediatric Biographies:
Bessejon de La Chassagne. A Note on the History of Diabetes Insipidus. John Ruhräh, M.D., Baltimore....1092

Pediatrics in Art:
Devices for Walking. John Ruhräh, M.D., Baltimore....1094

News and Comment....1095

Abstracts from Current Literature....1096

Society Transactions:
Chicago Pediatric Society....1151
New York Academy of Medicine, Section of Pediatrics and Section of Surgery....1166

Book Reviews....1174

Directory of Peditric Societies....1178

DECEMBER 1934. NUMBER 6

Treatment of Whooping Cough with an Active Undenatured Antigen. Minnola Stallings, M.D., San Francisco, and Valerie C. Nichols, B.A., Berkeley, Calif....1183

Blood Picture in Experimental Whooping Cough. Itsuyoshi Inaba and Seiichi Inamori, Mukden, Manchuria....1193

Typhoid Paratyphoid Therapy in Idiopathic Epilepsy: A Clinical and Experimental Study. Leon Antell, M.D., New York....1201

Iodine and Thyroid Hyperplasia: I. The Iodine Content of Human Skimmed Milk from Goitrous and Nongoitrous Regions. R. G. Turner, Ph.D., Assisted by Mina Z. Weeks, Detroit....1209

Dental Decay as an Indicator of a Dietary Fault. Nils P. Larsen, M.D.; Martha R. Jones, Ph.D., and George P. Pritchard, D.D.S., Honolulu, T. H....1228

External Dimensions of the New-Born. Harry Bakwin, M.D., and Ruth Morris Bakwin, M.D., New York....1234

Anemia of Prematurity. Hugh W. Josephs, M.D., Baltimore....1237

Rickets: Control with Fifty Units (Steenbock) of Cod Liver Oil Vitamin D Concentrate in Milk. Donald J. Barnes, M.D., Detroit....1258

Phosphatase Studies: V. Serum Phosphatase as a Criterion of the Severity and Rate of Healing of Rickets. Aaron Bodansky, Ph.D., and Henry L. Jaffe, M.D., New York....1268

Mumps Meningo-Encephalitis. John C. Montgomery, M.D., Detroit....1279

Neutralizing Value of Various Substances Against Lethal Doses of (A) Stool Emulsions from Patients with Poliomyelitis and (B) Colon Paratyphoid Organisms. John T. Toomey, M.D., Cleveland....1284

Reflex Changes in Typhoid Fever. John A. Toomey, M.D., Cleveland....1296

Roentgen Examination of Pyloric Canal of Infants with Congenital Hypertrophic Pyloric Stenosis. Th. Meuwissen, M.D., and J. Slooff, M.D., Eindhoven, The Netherlands....1304

Case Reports:
Sporadic Cretinism in One of Twins: Report of Cases with Roentgen Demonstration of Osseous Changes That Occurred in Utero. George B. Dorff, M.D., Brooklyn....1316
Acrodynia: Report of a Case with a Pathologic Study. William C. Deamer, M.D., and Gerson R. Biskind, M.D., San Francisco....1326

Progress in Pediatrics:
Kala-Azar in Children. George J. Ginandes, M.D., New York....1336

DECEMBER—*Continued*

PAGE

Pediatric Biographies:
Andreas Ritter von Hüttenbrenner. A Note on the History of Pyelitis. John Ruhräh, M.D., Baltimore....1367
Pediatrics in Art:
Animals as Wetnurses. John Ruhräh, M.D., Baltimore....1369
News and Comment....1370
Abstracts from Current Literature....1371
Society Transactions:
Society for Pediatric Research....1426
New York Academy of Medicine, Section of Pediatrics....1440
North Pacific Pediatric Society....1455
Book Reviews....1461
Directory of Pediatric Societies....1464
General Index....1469